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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/631,319

07/31/2003

Shin W. Rhee

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EXAMINER

LEE, Y MY QUACH


ART UNIT

PAPER NUMBER

2875

DATE MAILED: 11/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/631,319	Applicant(s) RHEE, SHIN W.	
	Examiner Y Quach Lee	Art Unit 2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 July 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 9-17 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 1-8, 18 and 19 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 July 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>7/31/03</u> . | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION***Drawings***

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the reference sign (47) as mentioned on pages 7 to 9, 11 and 12 in the description. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the feature of "the marginal edges of the panel formed with respective cam surfaces configured for engagement of corresponding portions of the teeth as the panel is advanced along the panel path, and upon continued advancement of the panel causing the teeth to clear the cam surfaces" as claimed in claim 3 and the feature of "the vertical wall formed with lighting holes spaced therealong which are so arranged and positioned as to form in a laterally spaced apart relationship along each frame segment" as claimed in claim 19 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be

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labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities: Page 10, line 9, the reference numeral "19" is incorrect and should be changed to --16-- in view of "the interior wall 16" on line 8 of the same page and the drawing figures. Page 11, line 25, the reference numeral "42" is incorrect and should be changed to --51-- in view of "the top panel side 51" on line 24 of the same page and the drawing figures. Page 12, line 3, the term "in" should be inserted between the terms "received" and "the registration bores" to provide a proper language. Appropriate correction is required.

4. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. For instance, there is no proper antecedent support for "the vertical wall formed with lightning holes spaced there along which are so arranged and positioned as to form in a laterally spaced apart relationship along each frame segment" in the original specification as presented. Correction is required. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o).

Claim Objections

5. Claims 1 to 8, 18 and 19 are objected to because of the following informalities: In claim 1, line 13, the term "them" should be changed to --the teeth-- to properly describe the claimed invention. In claim 2, line 9, the term "thereof" should be changed to --of the panel-- to properly describe the claimed invention. In claim 3, line 9, the term "thereof" should be changed to --of the panel-- to properly describe the claimed invention. Claims 4 to 8 depend on objected claim 1 and as such are also objected. In claim 18, there is no clear antecedent basis for "the upper side" and it should be changed to --an upper side--. In claim 19, line 3, the term "opening" should be deleted in view of the additional following "opening" on line 4; line 16, the language "from the vertical wall" should be inserted after the term "inwardly" to properly describe the claimed invention; and line 22, the term "services" is incorrect and it should be changed to --surfaces--.

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6. Claims 1 to 8, 18 and 19 would be allowable if rewritten or amended to overcome the objection set forth in this Office action.

7. Claims 9 to 17 are allowed.

8. Claim 1 and dependent claims 2 to 8 contain allowable subject matter because the prior art does not teach the interior wall of the frame including a plurality of resilient legs formed with respective teeth projecting inwardly into the panel path having respective upwardly facing support surfaces collectively configured to define a second horizontal plane spaced apart from the first horizontal plane to define a horizontal panel slot therebetween with a fixture panel slidable receipt through the central opening and advancement along the panel path to engage the teeth to deflect the teeth clear of the path and to further engage the stop pads projecting inwardly from the wall and clear the teeth such that the teeth are urged back into the path and disposed below the panel in combination with the other features as claimed in claim 1.

Claim 9 and dependent claims 10 to 14 are allowed because the prior art does not teach the interior wall of each frame segment including at least one resilient leg projecting upwardly from the lower extremity of the wall to terminate in a horizontally inwardly projecting tooth that includes a downwardly facing cam surface on one side and an upwardly facing support surface on the opposite side such that the collective support surfaces of the teeth are disposed in a second horizontal plane spaced a distance below the first horizontal plane to define a panel slot therebetween, a panel slidable receipt upwardly through the central opening of the frame and advancement along the path past the teeth of the legs and the top panel side abutted against the lower surfaces of the stop pads projecting inwardly from the upper extremity of the wall of each frame segment with the panel may be held in place in the panel slot in combination with other features as claimed in claim 9.

Claim 15 and dependent claims 16 to 17 are allowed because the prior art does not teach a plurality of upwardly extending resilient legs included on the interior wall of the frame and terminating in inwardly projecting teeth having downwardly facing cam surfaces and upwardly facing support surfaces collectively to define a second horizontal plane spaced a distance below the first horizontal plane to define a panel slot therebetween, and a fixture panel for receipt in the central opening of the frame by advancement along the path so that the top panel side will

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engage the cam surfaces with the legs will then be flexed outwardly from a resting position and by further advancement the panel along the path will cause the cam surfaces to be released from their engagement with the panel such that the legs will flex back to their resting position and the panel secured in the panel slot with the top panel side engaging the lower surfaces of the pads projecting inwardly from the wall and the bottom panel side engaging the support surfaces in combination with other features as claimed in claim 15.

Claim 18 contains allowable subject matter because the prior art does not teach stop means formed on the frame and projecting horizontally into the pathway, a light mounting panel to be received slidably through the opening of the frame and up into the pathway to abut the stop means with a plurality of teeth of the locking means exposed in a horizontal plane spaced downwardly from the stop means and projecting and biased into the pathway but engageable with the panel as the panel shifted upwardly into the pathway as to be deflected from the pathway to allow the panel to clear the teeth and operative upon such clearance to be biased back into the pathway in combination with other feature as claimed in claim 18.

Claim 19 contains allowable subject matter because the prior art does not teach the frame having a plurality of frame segments with each segment having a pair of laterally projecting vertical reinforcing webs defining reinforcing boxes, stop pads projecting horizontally inwardly from the boxes with their respective lower surfaces collectively disposed in a first horizontal plane and having respective pins projecting downwardly from the lower surfaces to slidably receive in respective bores of the panel, the frame segments intersecting to define a plurality of corners configured with vertical mounting barrels defining vertical bores to receipt fastener screws, a pair of upstanding flexible legs extending horizontally inwardly from the vertical wall of the frame to define respective teeth formed with respective support surfaces collectively positioned in a second horizontal plane spaced downwardly from the first horizontal plane, a fluorescent light tube mounting panel slidably received into the panel receiving opening and pathway to engage the respective cam surfaces of the teeth and flex the legs to shift the teeth outwardly to cause the panel to clear the teeth and the legs to thereafter to flex to shift the teeth inwardly to dispose the support surfaces under the panel in combination with other features as claimed in claim 19.

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Conclusion

9. This application is in condition for allowance except for the above formal matters.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.


10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Sinzawa et al., Benesohn and Rhee are cited to show other pertinent lighting fixture assemblies.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Y Quach Lee whose telephone number is 571-272-2373. The examiner can normally be reached on Tuesday and Thursday from 8:30 am to 4:30 pm.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Customer Service whose telephone number is 703-308-2733.

Y. Q.
November 18, 2004


Y Quach Lee
Patent Examiner
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